

## IN THE CLAIMS

Please amend claims 1-35 as follows:

Claim 1 (currently amended): A multi-layer electrode structure comprising a plurality of electrode layers at least composed of a binder made of a macromolecular substance and an electrode material and coated on a current-collecting material, wherein:

a first electrode layer in contact with said current-collecting material and a second electrode layer in contact with said first electrode layer are formed of different constituents or have different proportions of the same constituent; and

said first electrode layer ~~has a higher electrical conduction rate~~ is thinner than said second electrode layer; and

said first electrode layer has a stronger adhesive strength than said second electrode layer relative to said current-collecting material,

thereby attaining effective adhesive properties and low electrical resistance of said electrode.

Claim 2-3 (cancelled):

Claim 4 (currently amended): A multi-electrode structure according to claim 1 wherein ~~the~~ said binder of at least one of said first and second electrode layers comprises an ion-conducting polymer.

Claim 5 (original): The multi-layer electrode structure of claim 1 wherein ~~the~~ said binder for said electrode layers other than said first electrode layer ~~is~~ comprises a polymer prone to form fibrils.

Claim 6 (currently amended): A multi-layer electrode structure according to any

~~of claim 1 through claim 5~~ claim 1, wherein at least one of said electrode layers further includes a powdered electrically-conducting substance.

Claims 7-33 (cancelled)

Claim 34 (currently amended): The multi-layer electrode structure according to ~~claim 34~~ claim 1, wherein at least one layer of electrode material is ~~adhered by~~ coated with an ion-conducting polymer.

Claim 35-53 (cancelled)

Please add the following claims 54-56 as follows.

Claim 54. (new): The multi-layer electrode structure of claim 1 wherein the amount of binder used in said first electrode layer is greater than the amount of binder used in said second electrode layer.

Claim 55 (new): A multi-layer electrode structure according to claim 4, wherein at least one of said electrode layers further includes a powdered electrically-conducting substance.

Claim 56 (new): A multi-layer electrode structure according to claim 5, wherein at least one of said electrode layers further includes a powdered electrically-conducting substance.